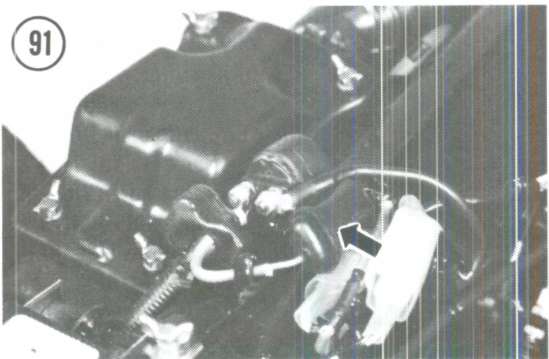


**Headlight Switch
Removal/Installation
(ATC90 and 1979-1980 ATC110)**

- 1. Remove the headlight lens as described in this chapter.
- 2. Within the headlight housing, disconnect from the wiring harness all electrical wire connectors going to the light switch.
- 3. Remove the switch assembly and electrical wires from the headlight housing.



- 4. Install a new switch assembly by reversing these removal steps. Make sure all electrical connectors are tight.

FUSE

Only models that are equipped with a starter have a fuse.

Remove the screws securing the starter relay cover and remove the cover (Figure 33). The fuse is located next to the starter solenoid (Figure 91) and its capacity is 7 amps.

NOTE

Always carry a spare fuse.

Whenever a fuse blows, find out the reason for the failure before replacing the fuse. Usually the trouble is a short circuit in the wiring. This may be caused by worn-through insulation or a disconnected wire shorted to ground.

CAUTION

Never substitute aluminum foil or wire for a fuse. Never use a higher amperage fuse than specified. An overload could cause a fire and complete loss of the ATC.

Table 1 VOLTAGE REGULATOR/RECTIFIER TEST POINTS

Positive	Test probe	Negative	Value (ohms)
Yellow		yellow	1-50
Yellow		green	0.1-10
Yellow		red	infinity
Yellow		yellow	1-50
Yellow		green	0.1-10
Yellow		red	infinity
Green		yellow	0.5-50
Green		yellow	0.5-10
Green		red	infinity
Red		yellow	0.1-10
Red		yellow	0.1-10
Red		green	0.2-30

Table 2 CDI UNIT TEST POINTS

Positive	Test probe	Negative	Value (ohms)
ATC110			
Black		green	0.2-60K
Black		black/red	0.1-20K
Black		blue/yellow	0.5-200K
Black		black/yellow	infinity
Green		black	infinity
Green		black/red	infinity
Green		blue/yellow	1-5K
Green		black/yellow	infinity
Black/red		black	infinity
Black/red		green	0.1-20K
Black/red		blue/yellow	0.5-100K
Black/red		black/yellow	infinity
Blue/yellow		black	infinity
Blue/yellow		green	infinity
Blue/yellow		black/red	infinity
Blue/yellow		black/yellow	infinity
Black/yellow		black	infinity
Black/yellow		green	infinity
Black/yellow		black/red	infinity
Black/yellow		blue/yellow	infinity
ATC125M			
SW		EXT	0.1-20
SW		PC	0.5-200
SW		E1	0.2-60
SW		E2	0.2-60
SW		IGN	infinity
EXT		SW	infinity
EXT		PC	0.5-100
EXT		E1	0.1-2.0
EXT		E2	0.1-2.0
EXT		IGN	infinity
PC		SW	infinity
PC		EXT	infinity
PC		E1	infinity
PC		E2	infinity
PC		IGN	infinity
E1		SW	infinity
E1		EXT	infinity
E1		PC	1-5
E1		IGN	infinity
E2		SW	infinity
E2		EXT	infinity
E2		PC	1-5
E2		IGN	infinity
IGN		SW	infinity
IGN		EXT	infinity
IGN		PC	infinity
IGN		E1	infinity
IGN		E2	infinity

Table 3 STARTER TROUBLESHOOTING

Symptom	Probable Cause	Remedy
Starter does not work	Low battery	Recharge battery
	Worn brushes	Replace brushes
	Defective relay	Repair or replace
	Defective switch	Repair or replace
	Defective wiring or connection	Repair wire or clean connection
Starter action is weak	Internal short circuit	Repair or replace defective component
	Low battery	Recharge battery
	Pitted relay contacts	Clean or replace
	Worn brushes	Replace brushes
	Defective connection	Clean and tighten
Starter runs continuously	Short circuit in commutator	Replace armature
Starter turns; does not turn engine	Stuck relay	Replace relay
	Defective starter clutch	Replace starter clutch

Table 4 REPLACEMENT BULBS

Item	Voltage/wattage
Headlight	
ATC90	6V 15W
ATC110	
1978-1980	6V 25W
1981-on	12V 45/45W
ATC125M	12V 45/45W
Taillight	
ATC90	6V 3W
ATC110	
1978-1980	6V 3W
1981-on	12V 3.4W
ATC125M	12V 5W

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